

ABSTRACT

An air dryer system including two substantially identical canister-type air dryer units. Each includes, in one mode, a first moist air inlet, a first desiccant for drying air, a first dry air outlet, and first means for supplying dry air to a storage facility. The system also including, in the same mode, a first bleed valve supplying a small portion of said dry air to regenerate a second desiccant, and a first moist air purge valve for dumping moisture collected during regeneration. The system is also operable in an opposite mode and having a second moist air inlet, a second desiccant, a second dry air outlet and a second means for supplying air to a storage facility. A second bleed valve supplies a small portion of dry air to regenerate the first desiccant, and purges air through a second moist air valve. Located between the moist air inlets and said desiccants are a pair of air-oil separators. Upwardly directed air flows through a housing, striking a deflector plate, and escapes beneath a vertically extending fence and through vents containing a filter medium.